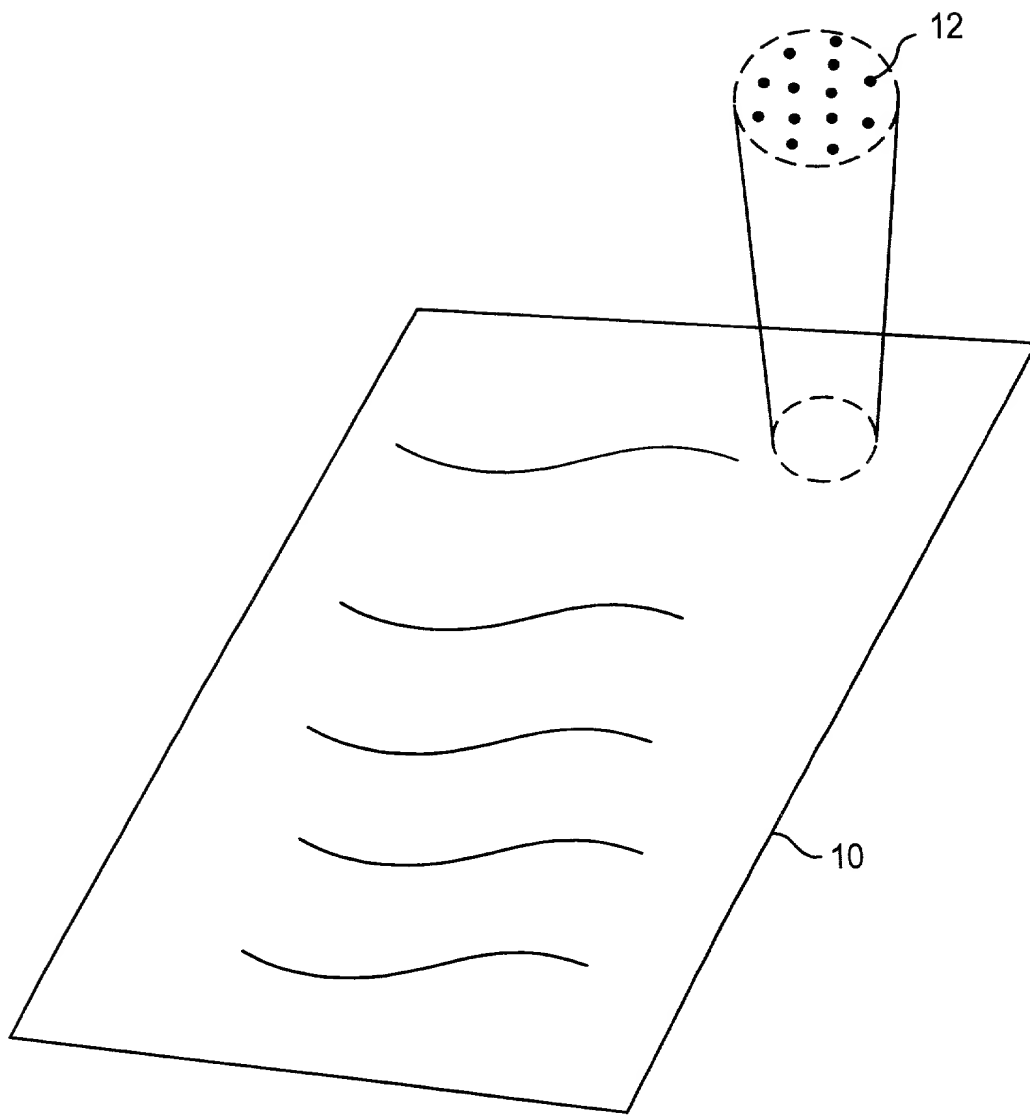
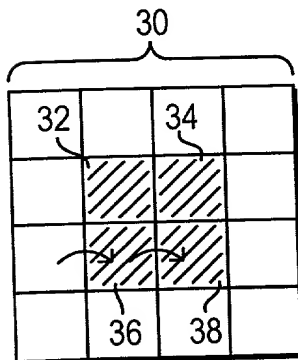
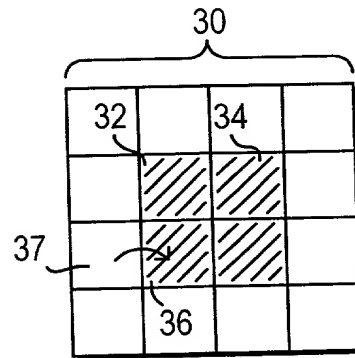
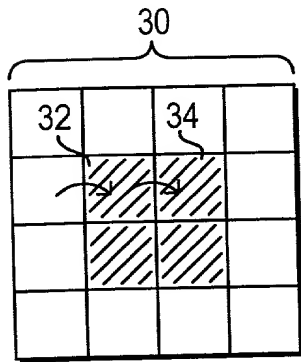
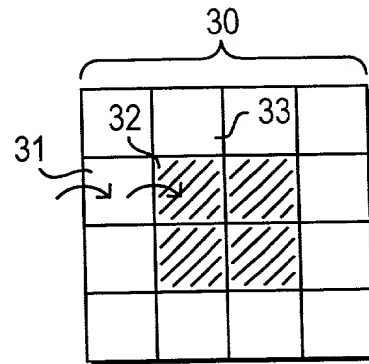
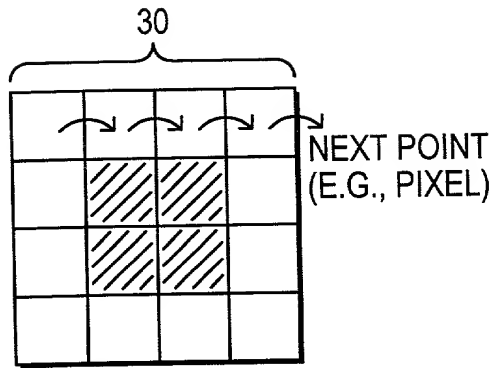


FIG. 1

**FIG. 2**



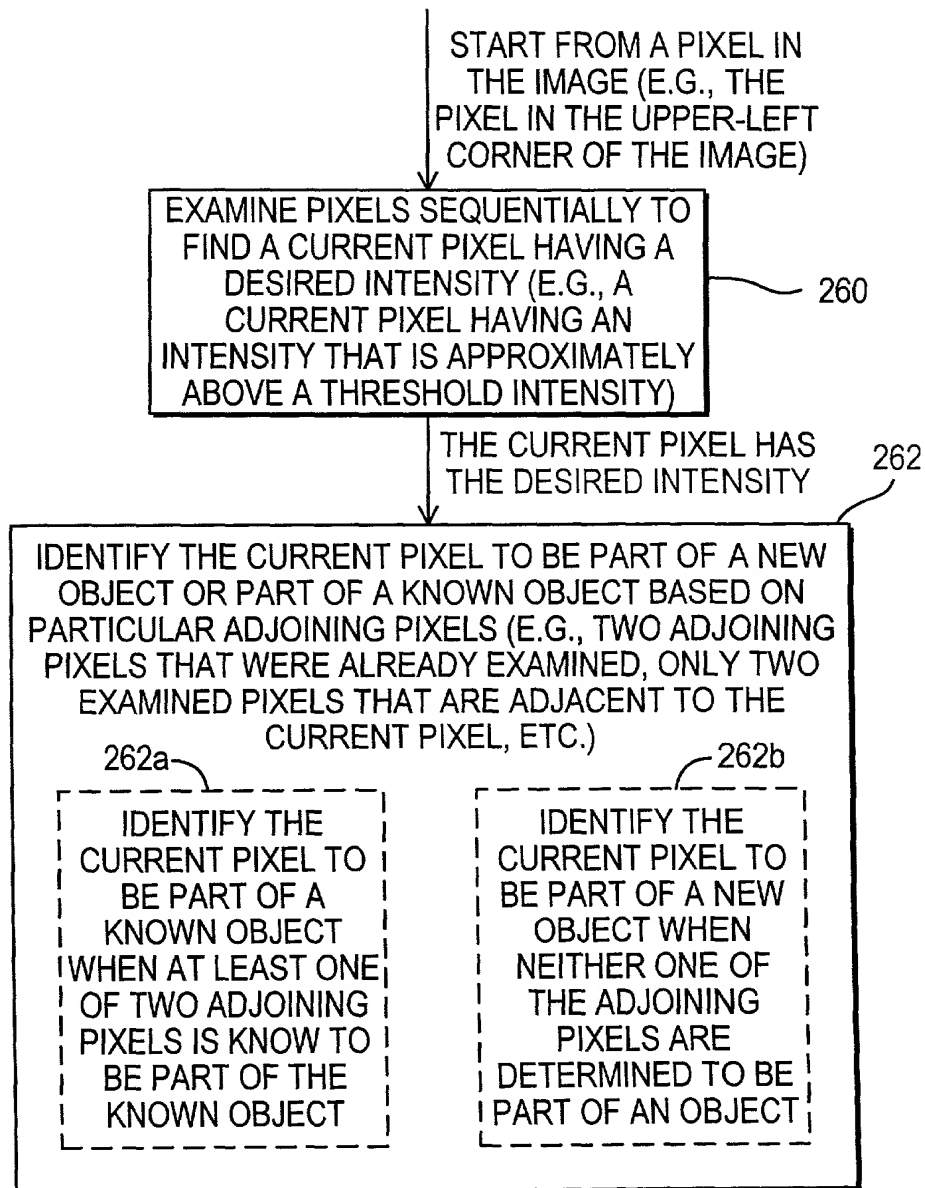
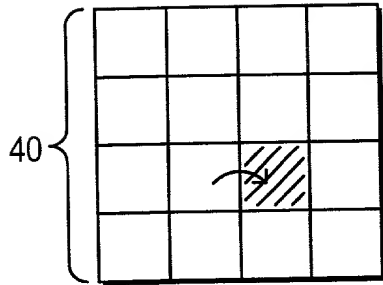
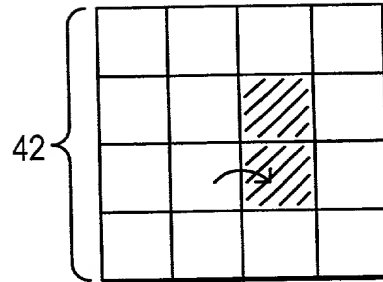


FIG. 3f



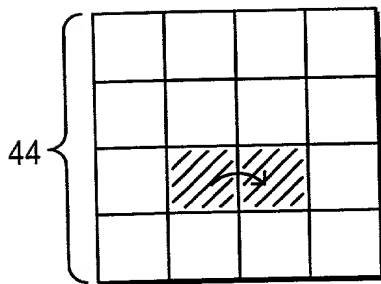
NEW SPOT

FIG. 4a



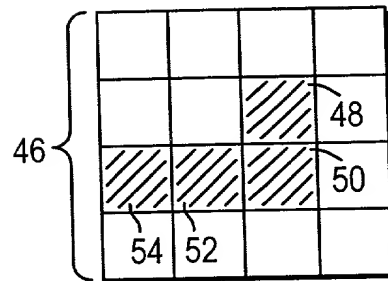
KNOWN SPOT

FIG. 4b



KNOWN SPOT

FIG. 4c



TWO KNOWN SPOTS

FIG. 4d

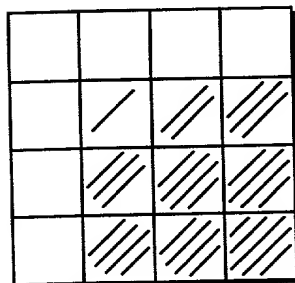
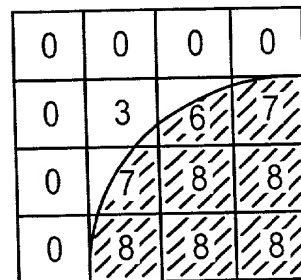


FIG. 4e



LIGHT INTENSITY RANGE

FIG. 4f

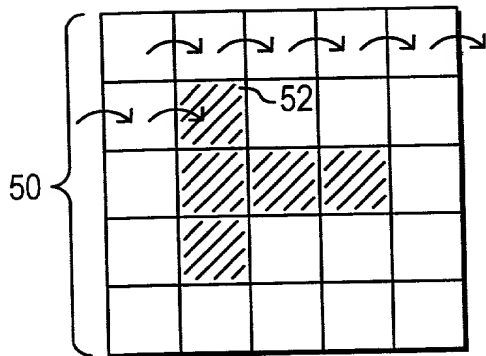


FIG. 5a

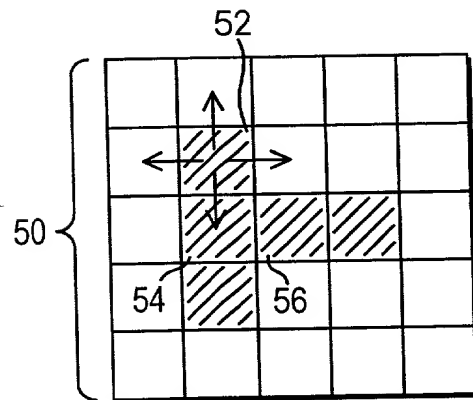


FIG. 5b

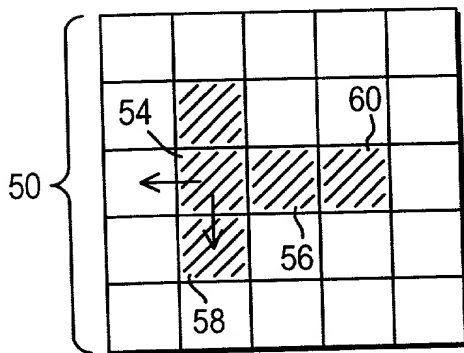


FIG. 5c

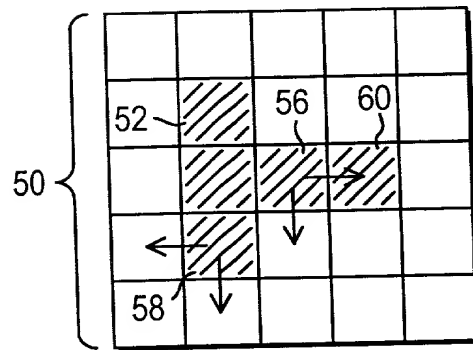


FIG. 5d

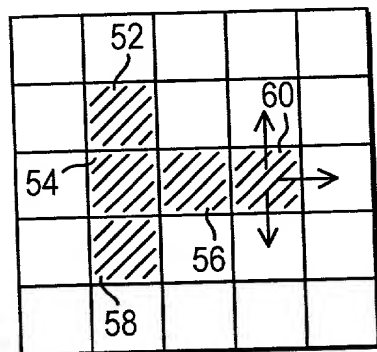


FIG. 5e

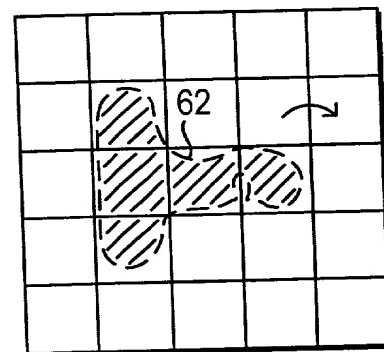


FIG. 5f

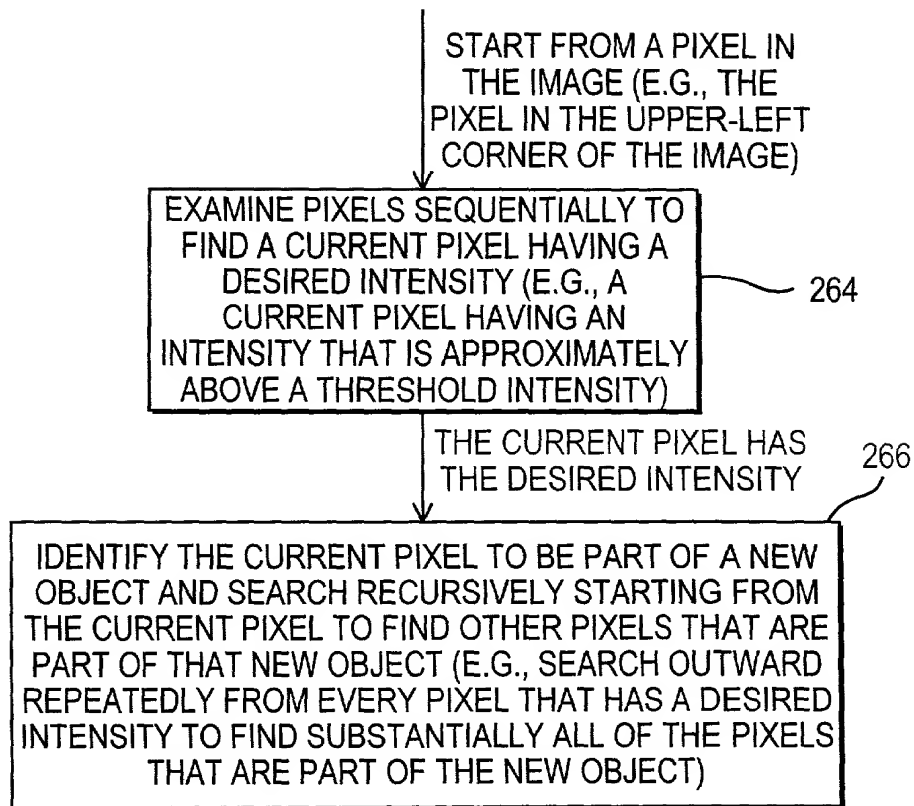
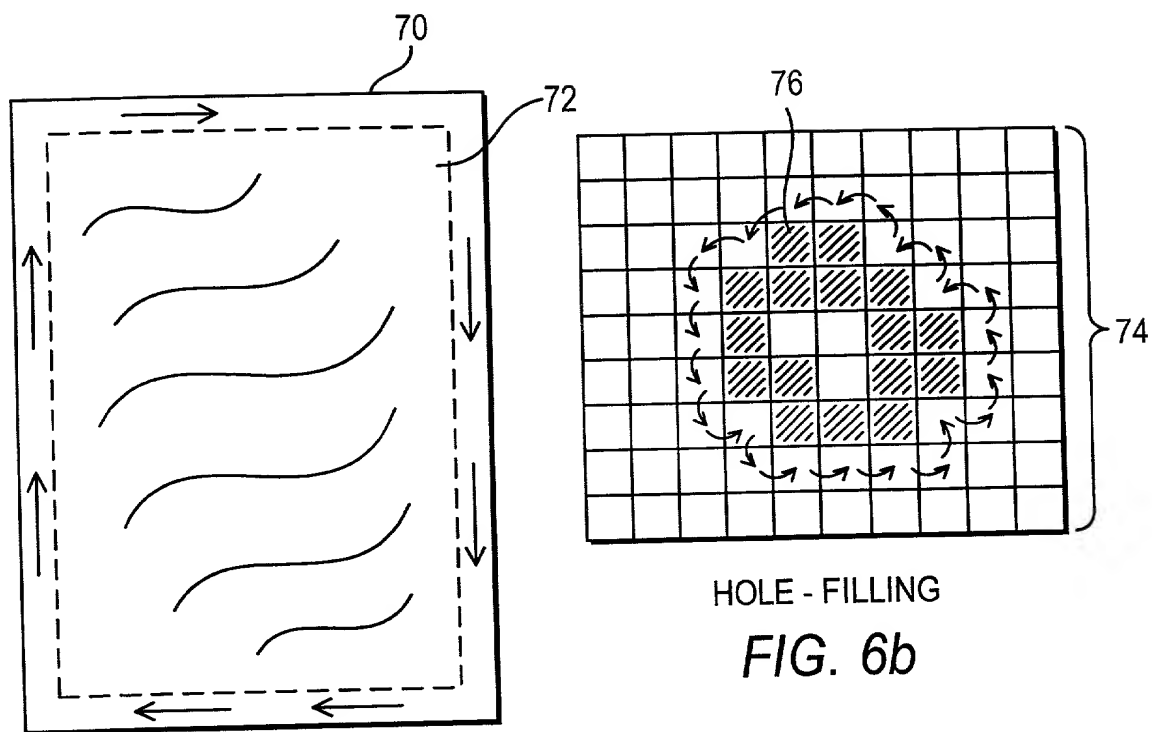


FIG. 5g



EDGE REJECTION

FIG. 6a

HOLE - FILLING

FIG. 6b

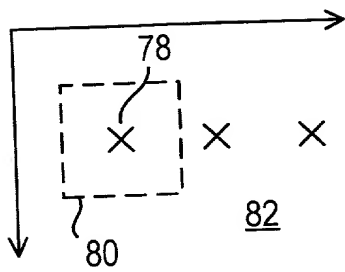


FIG. 7a

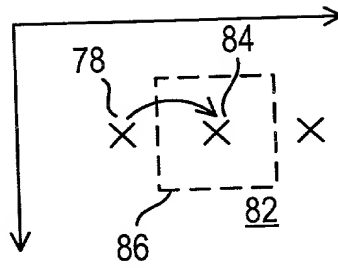


FIG. 7b

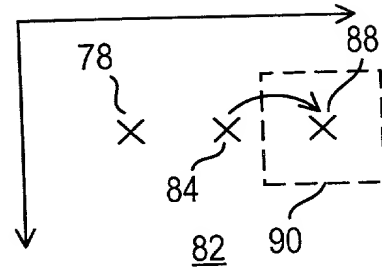


FIG. 7c

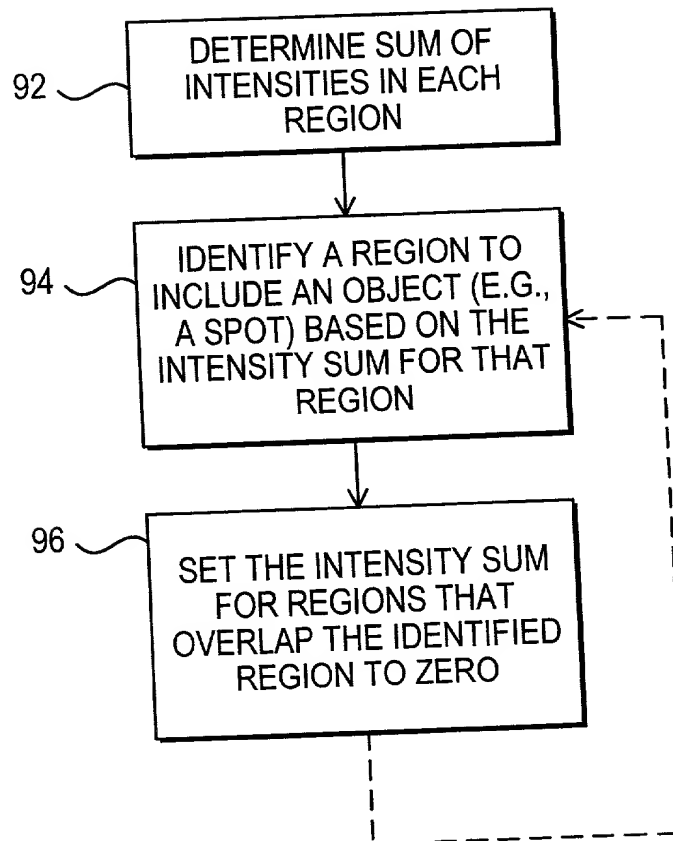


FIG. 8a

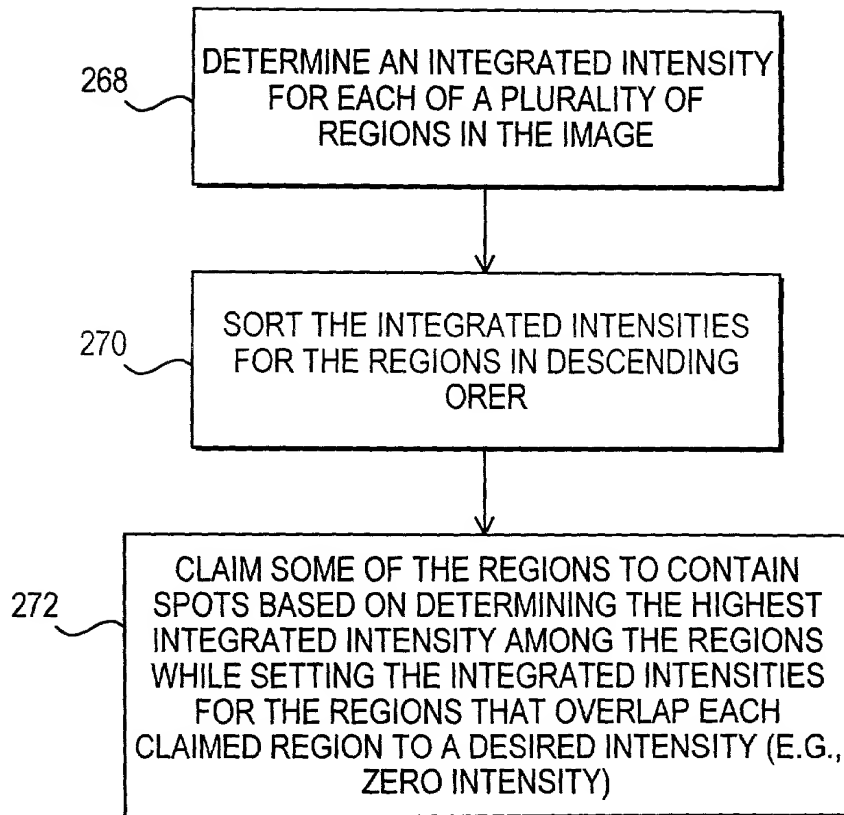


FIG. 8b

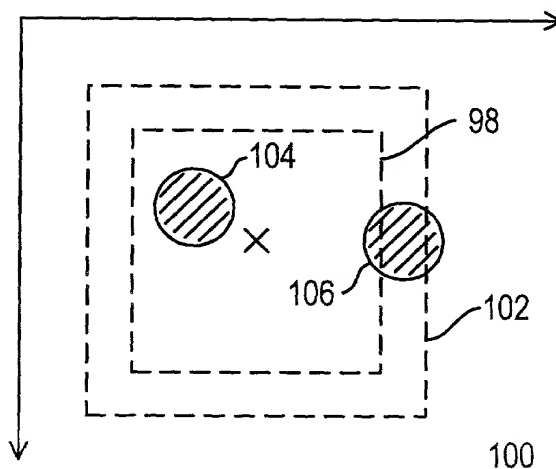


FIG. 9

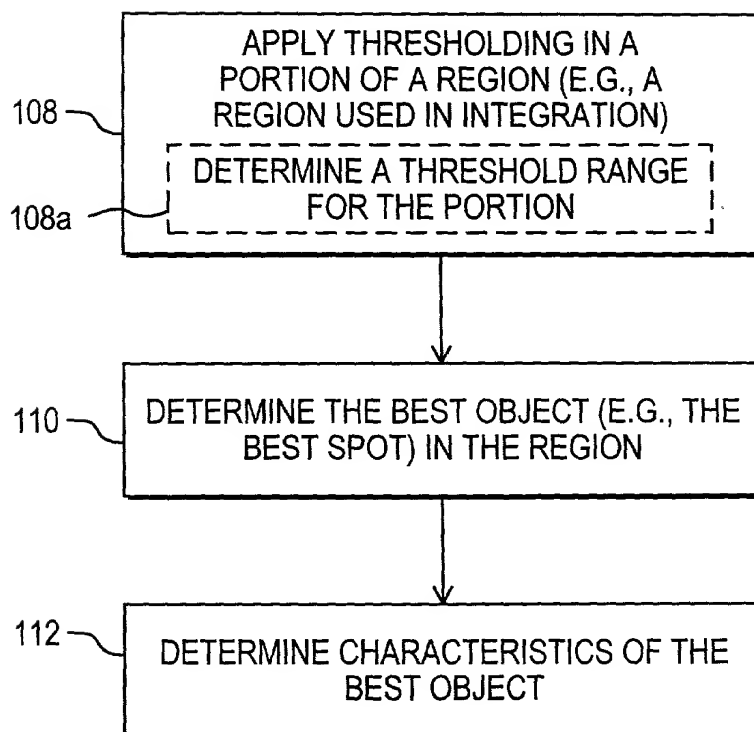


FIG. 10

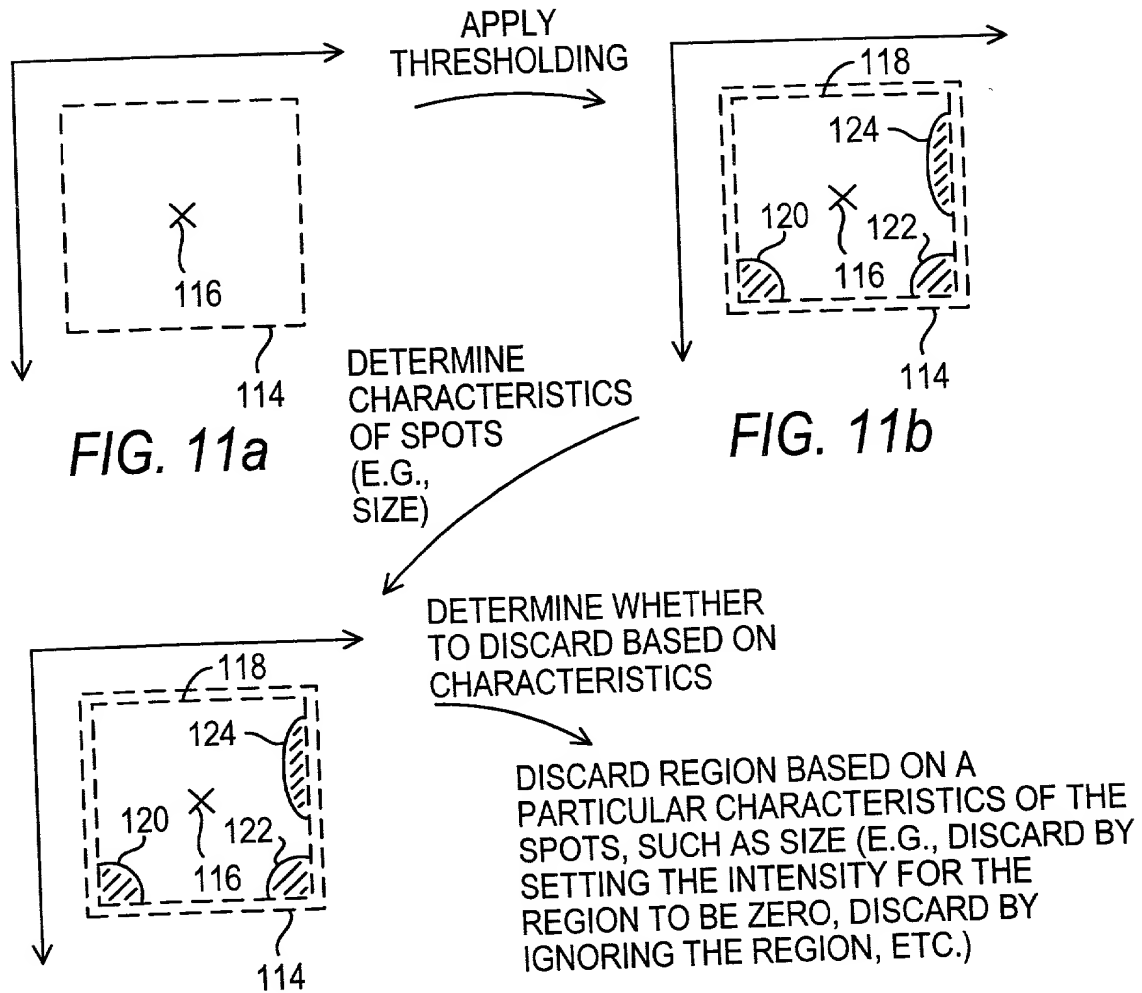
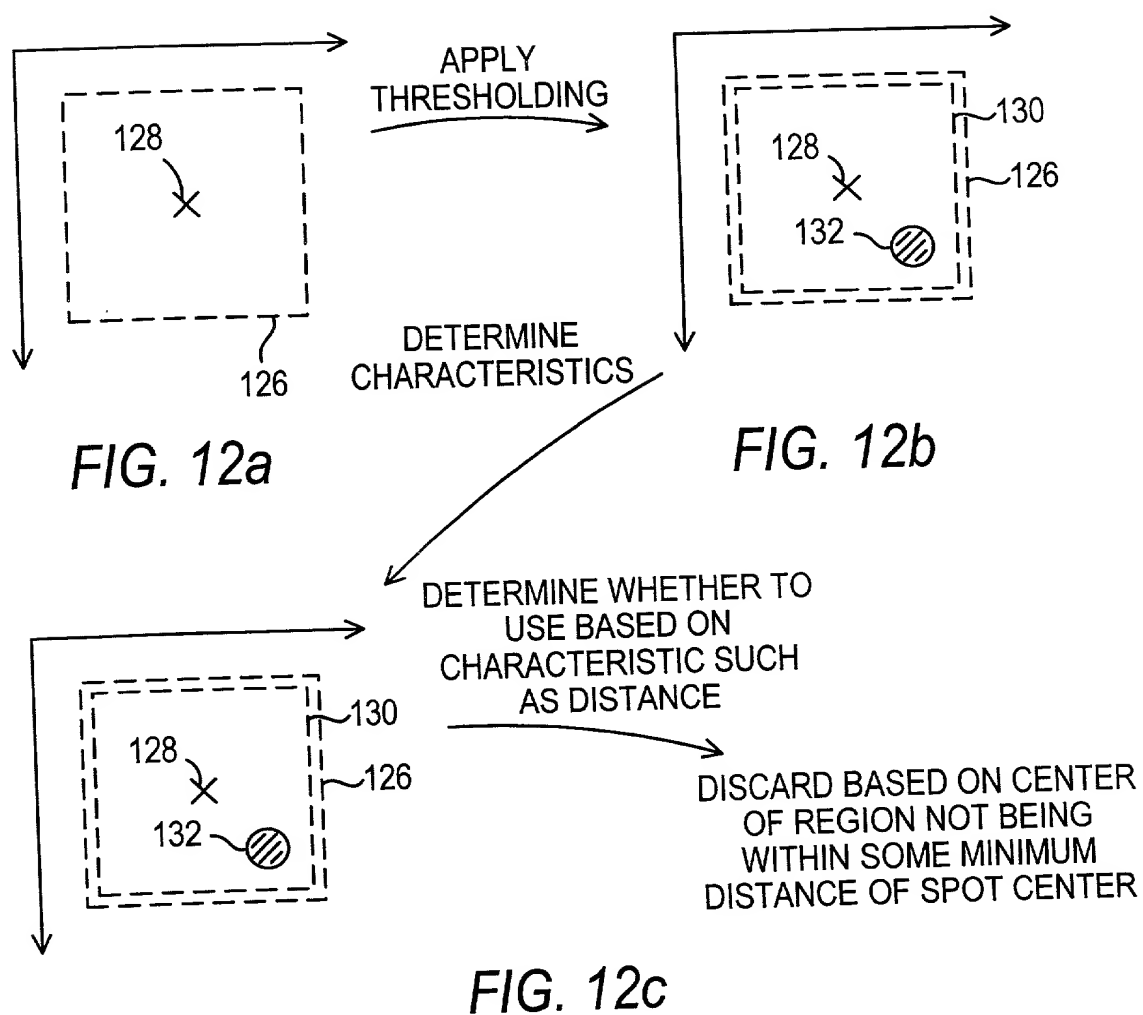


FIG. 11c

FIG. 11d



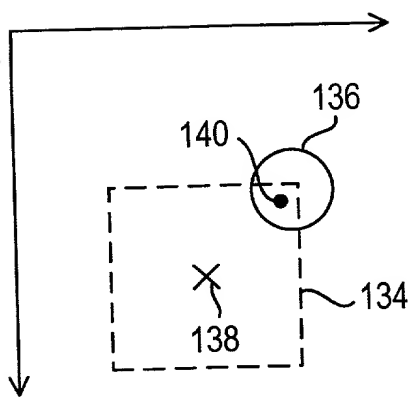


FIG. 13a

MOVE REGION TO
BE CENTERED ON
CALCULATED
SPOT CENTER

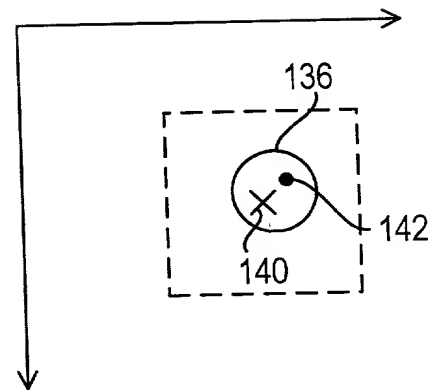


FIG. 13b

MOVE REGION TO BE
CENTERED ON CALCULATED
SPOT CENTER

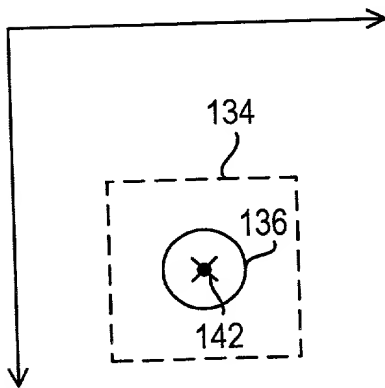


FIG. 13c

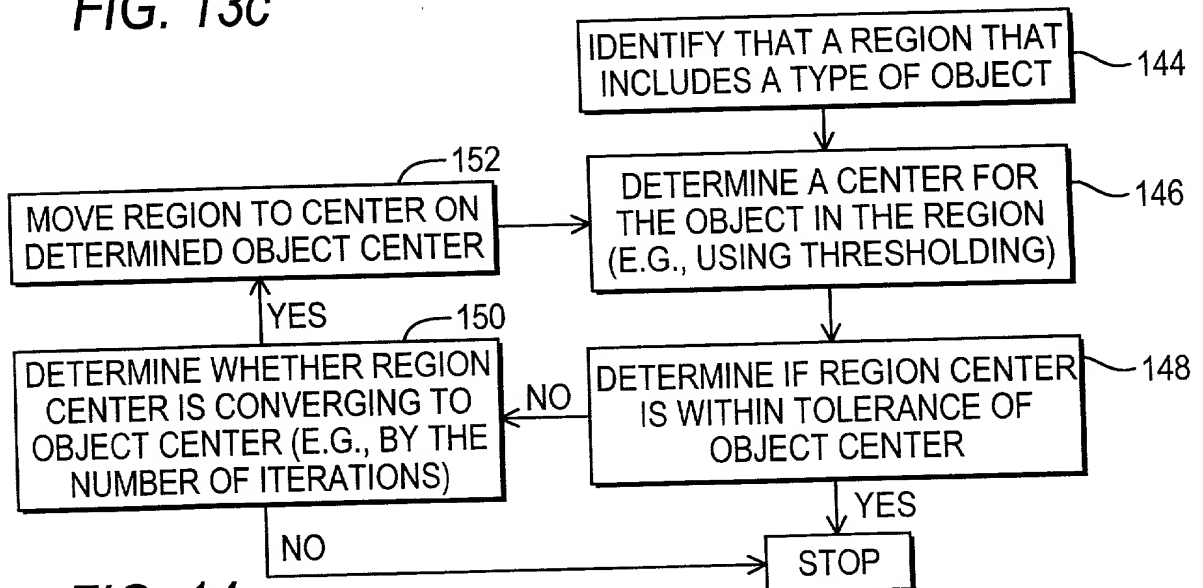


FIG. 14

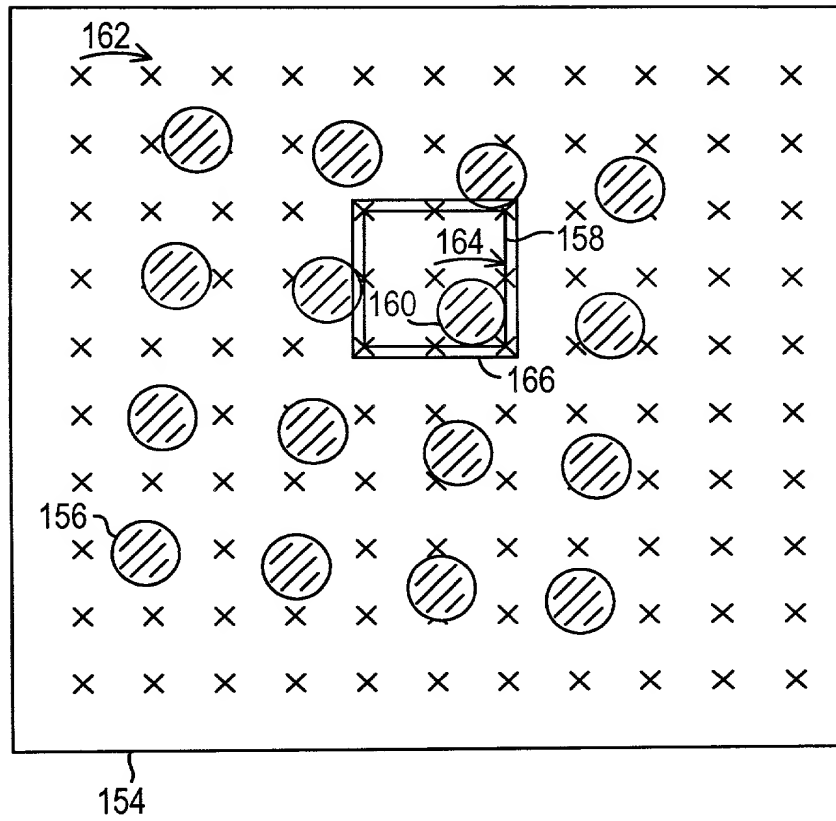
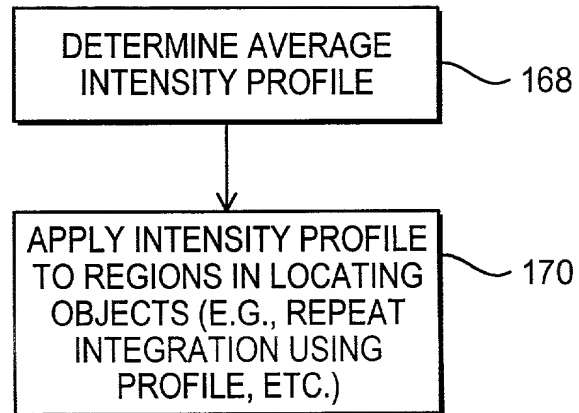


FIG. 15

*FIG. 16*

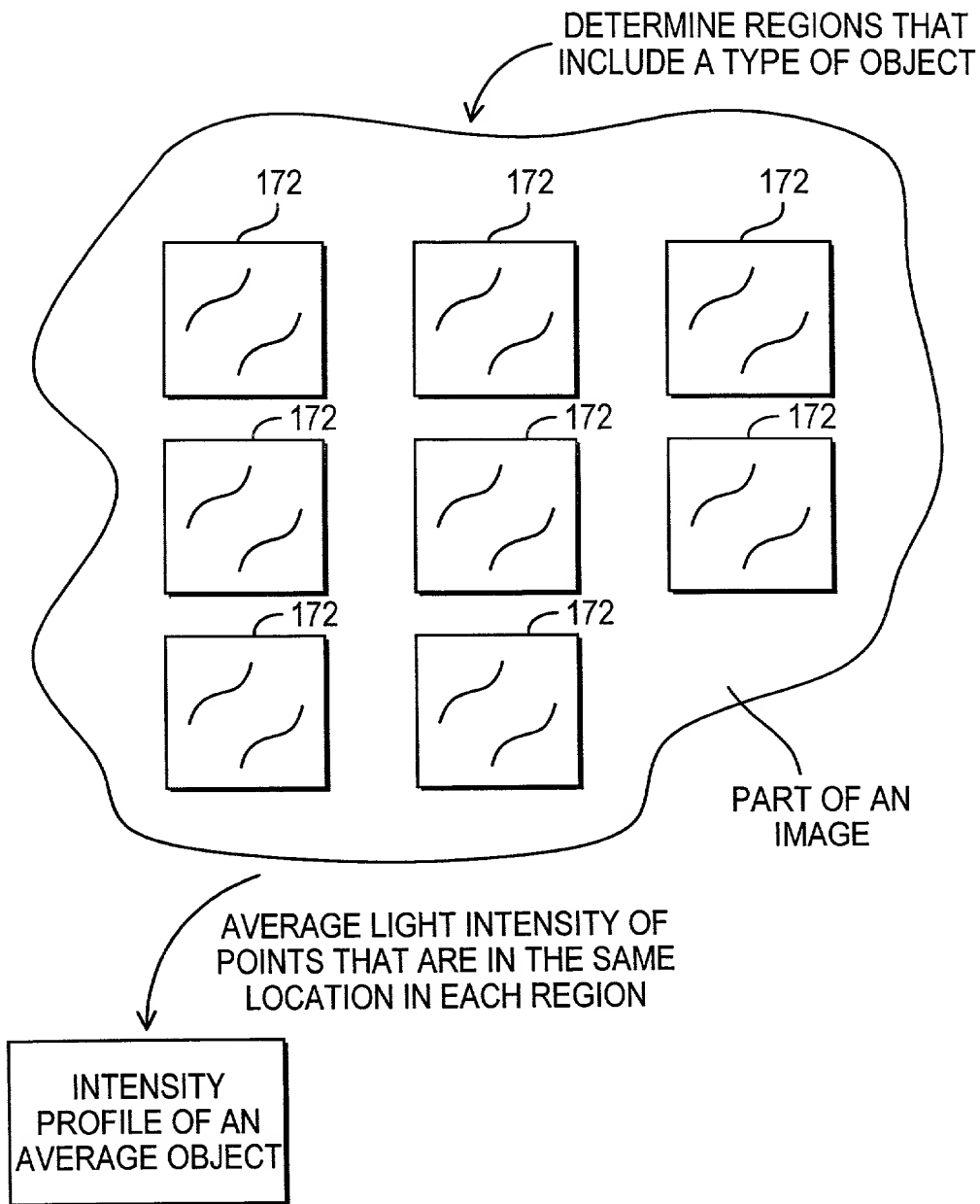
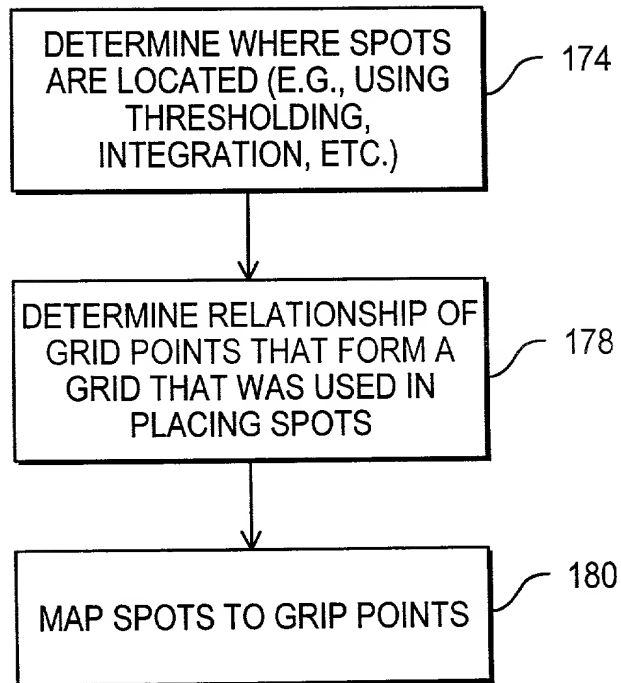
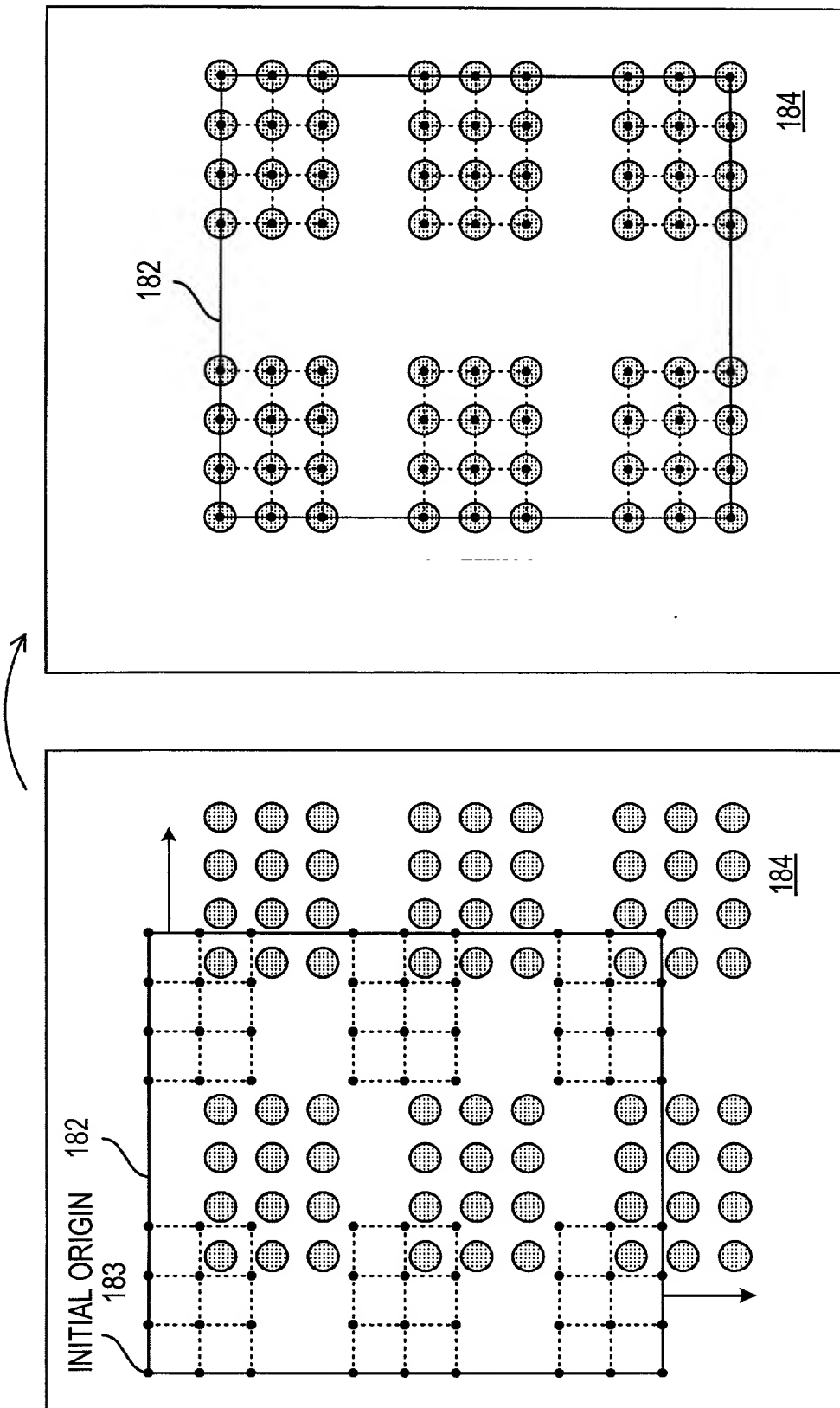


FIG. 17a

- 171

FIG. 17b

*FIG. 18*



MOVING GRID ON IMAGE

BEST ORIGIN FOR GRID FOUND

FIG. 19

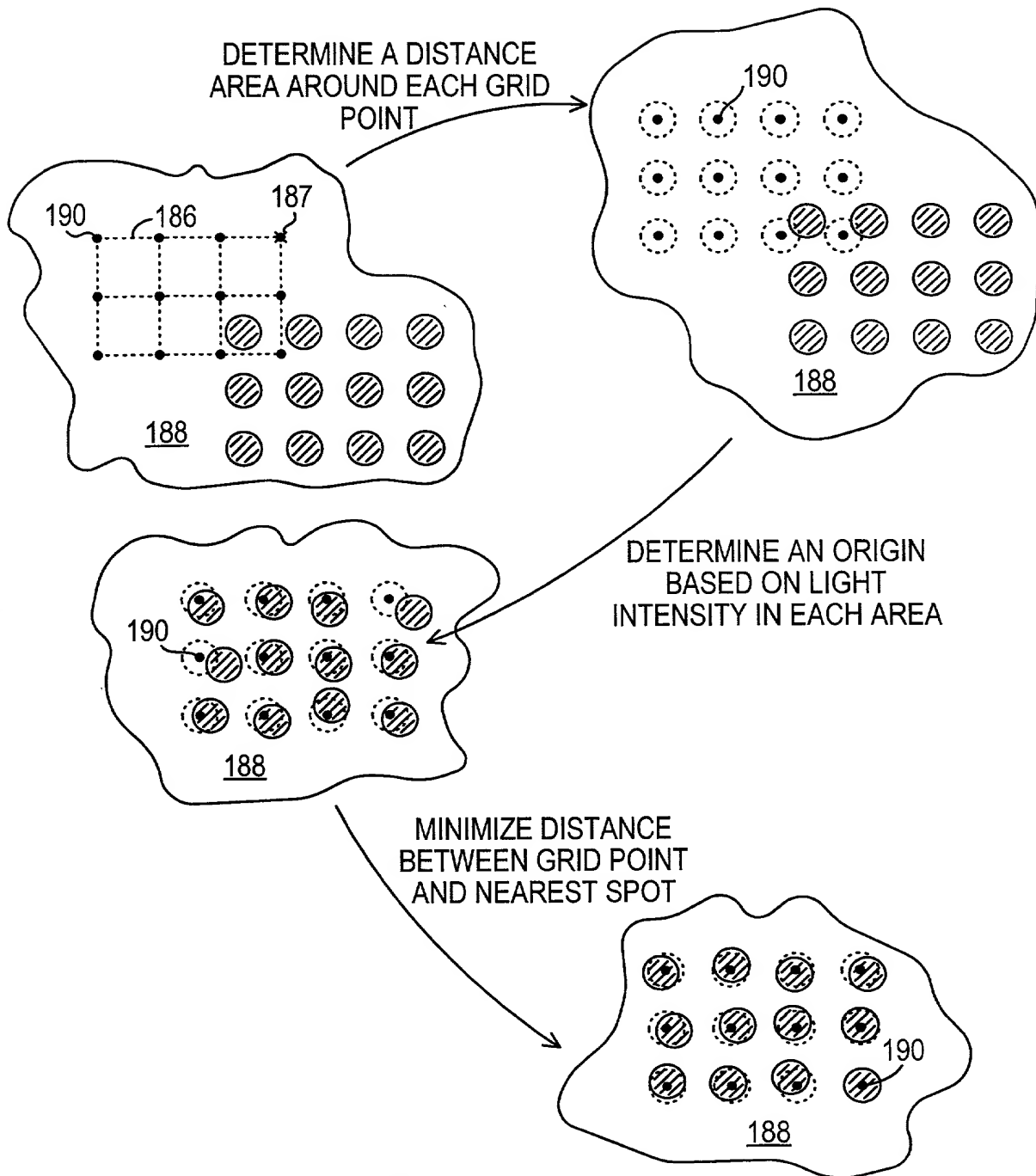
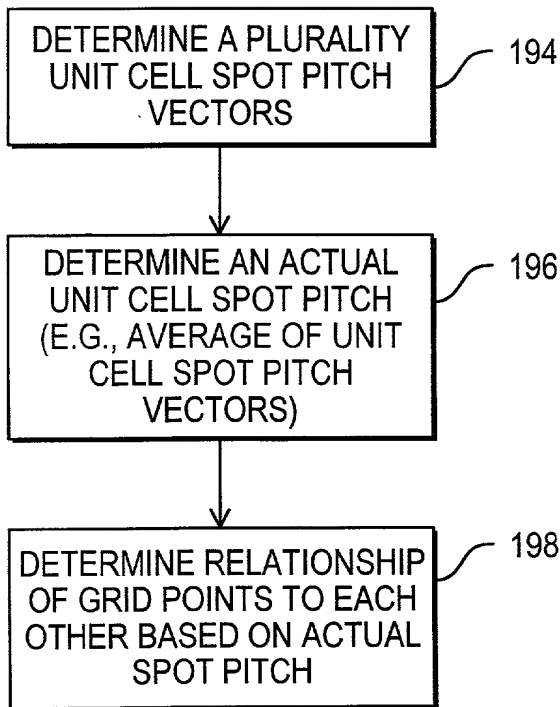
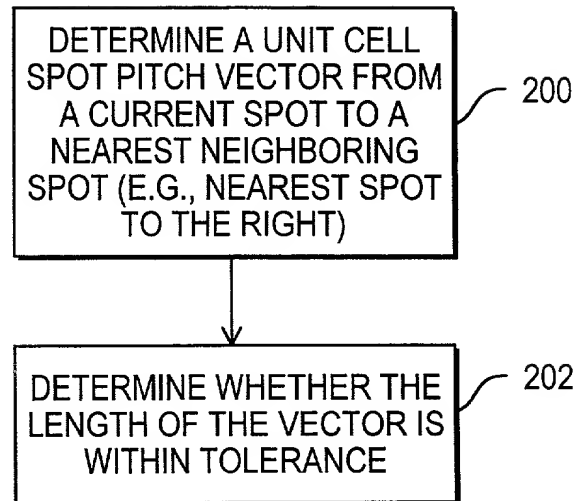


FIG. 20

*FIG. 21**FIG. 22*

NEAREST NEIGHBOR WITHIN
TOLERANCE FOR SPOT PITCH VECTOR

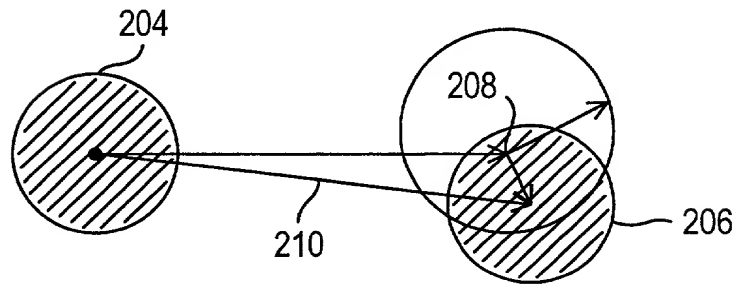


FIG. 23a

NEAREST NEIGHBOR NOT WITHIN
TOLERANCE FOR SPOT PITCH VECTOR

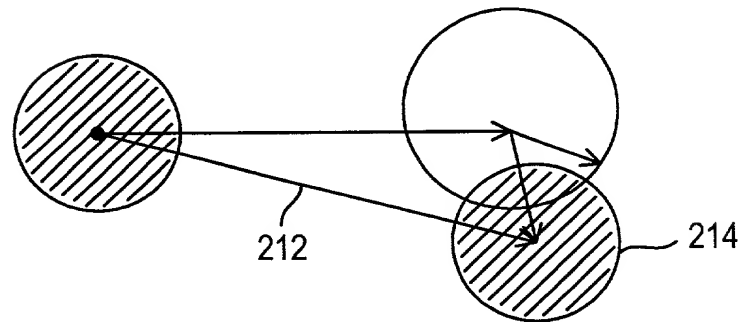
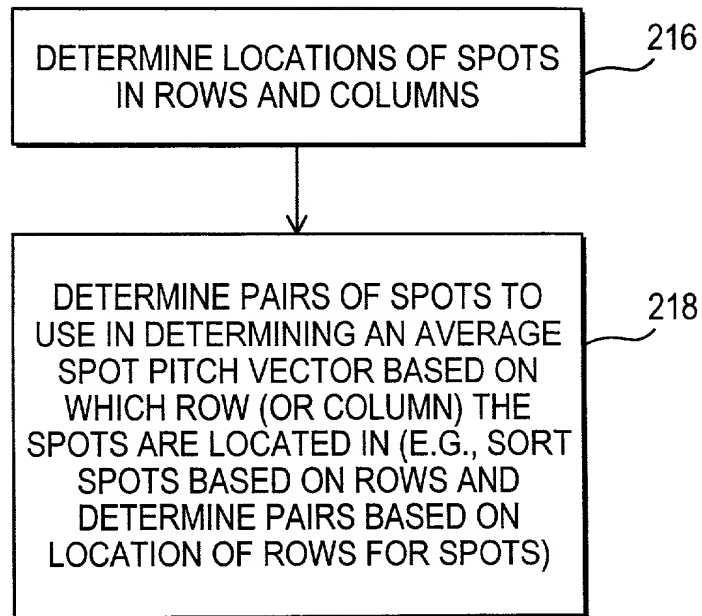


FIG. 23b

*FIG. 24*

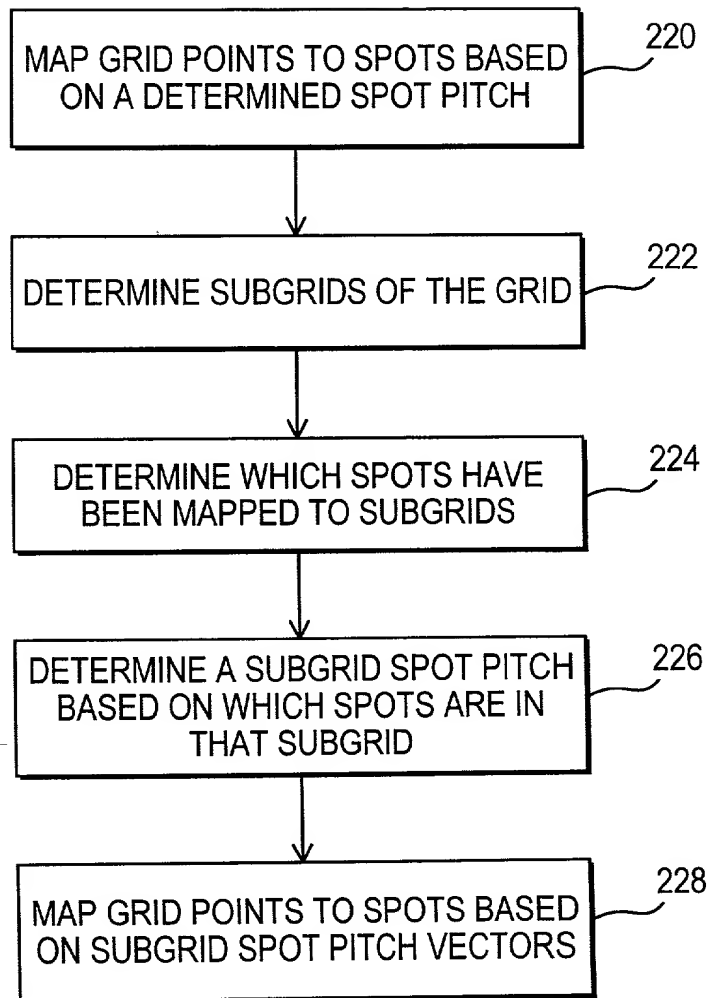


FIG. 25

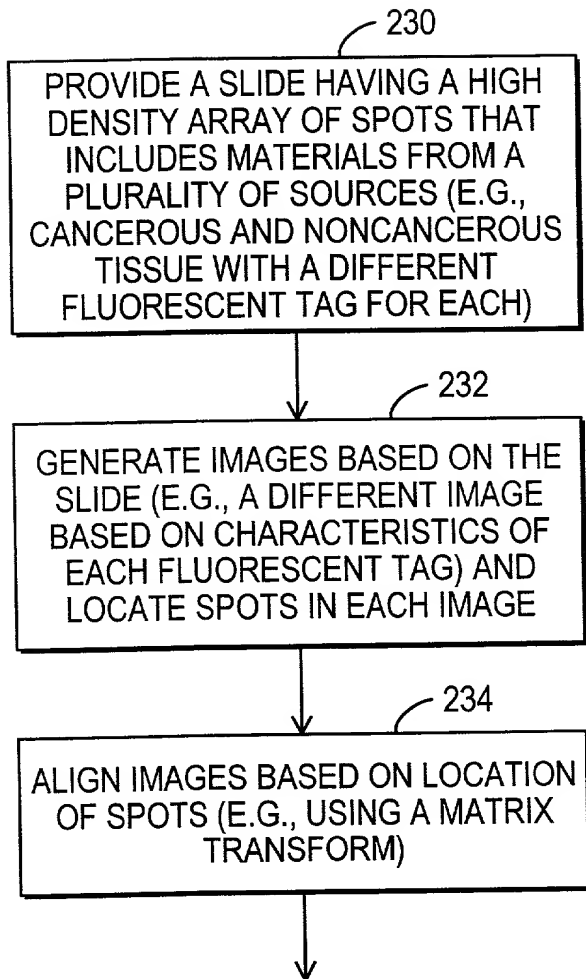


FIG. 26a

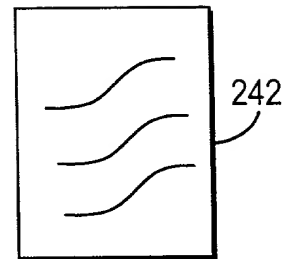


FIG. 27a

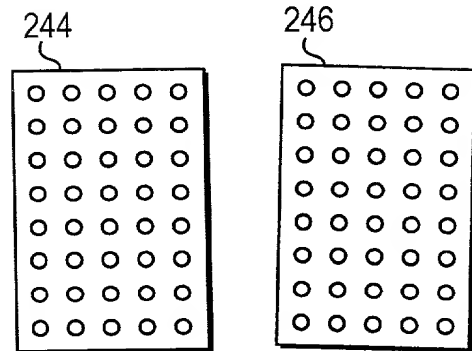


FIG. 27b

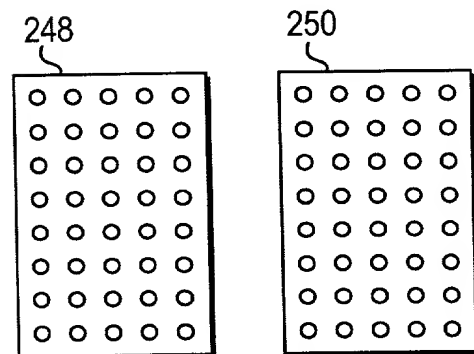


FIG. 27c

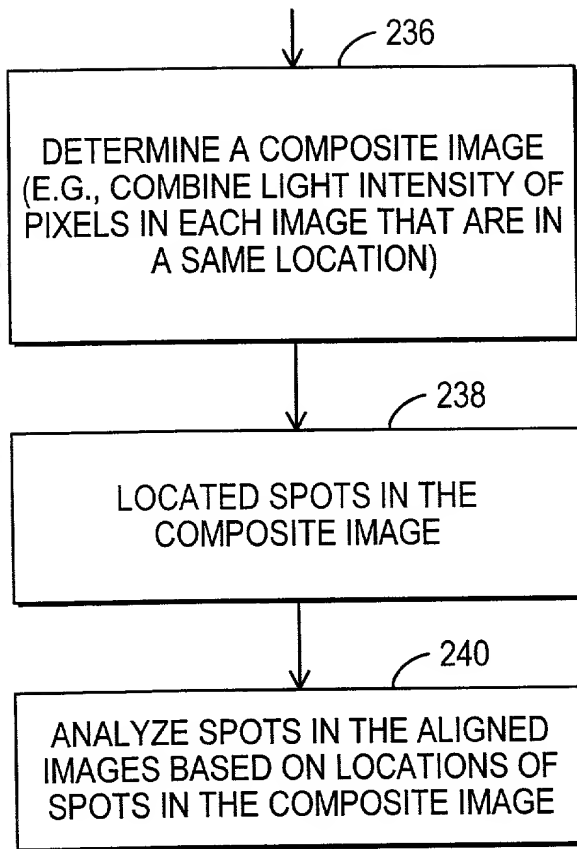


FIG. 26b

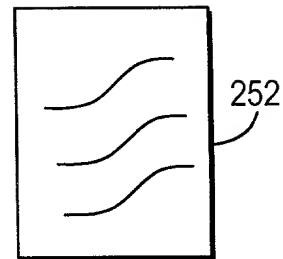


FIG. 27d

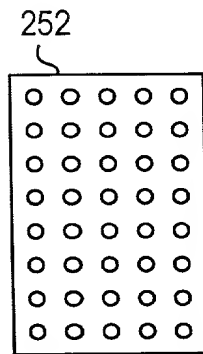


FIG. 27e

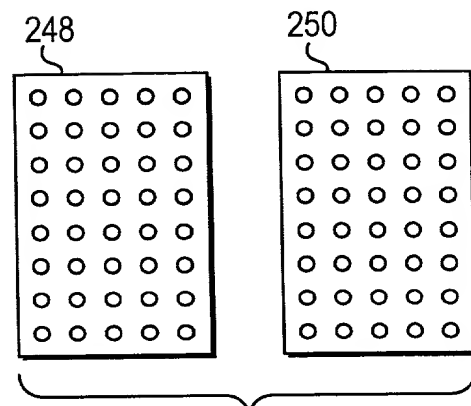
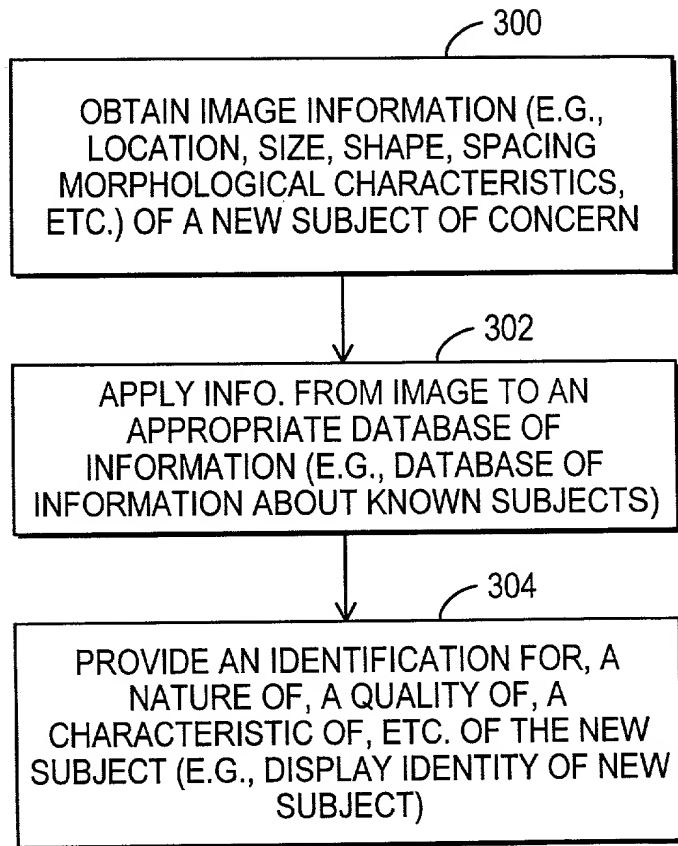


FIG. 27f

**FIG. 28**

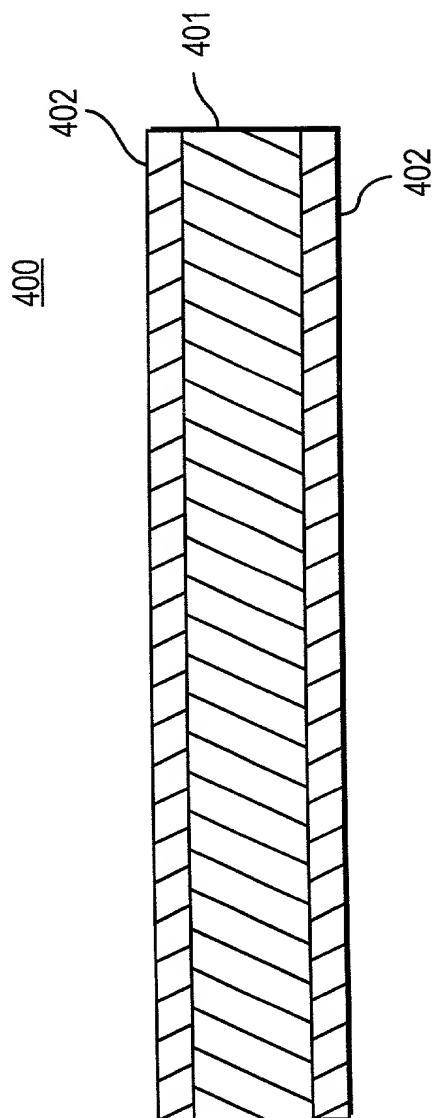


FIG. 29

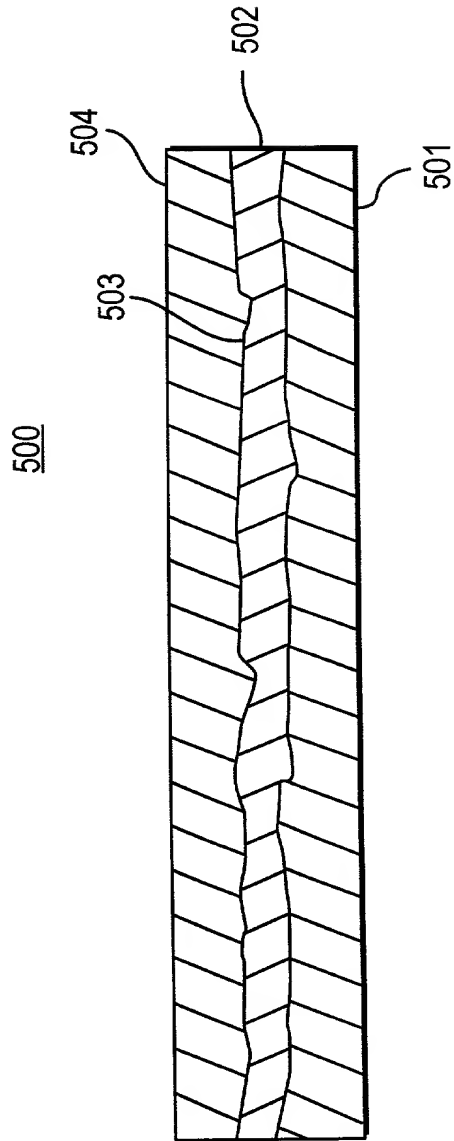


FIG. 30